

**Tetra Tech EM Inc.**

200 E. Randolph Drive, Suite 4700 ♦ Chicago, IL 60601 ♦ (312) 856-8700 ♦ FAX (312) 938-0118

December 22, 1997

EPA Region 5 Records Ctr.



248064

Mr. Michael Bellot
Remedial Project Manager
Remedial Response Unit No. 1
U.S. Environmental Protection Agency Region 5
77 West Jackson Boulevard
Chicago, IL 60604

**Subject: Technical Review of Revised Addendum to Sampling Plan for North Stormwater Pipe
Blackwell Forest Preserve Landfill, DuPage County, Illinois
Contract No. 68-W8-0084, Work Assignment No. 84-5P6Y**

Dear Mr. Bellot:

Tetra Tech EM Inc. (Tetra Tech) has reviewed the above-referenced revised addendum dated December 4, 1997, which was prepared by Montgomery Watson for the DuPage County Forest Preserve District. Tetra Tech reviewed the revised addendum to assess whether it (1) is technically adequate and (2) properly addresses and incorporates U.S. Environmental Protection Agency (EPA) comments dated October 8, 1997.

The newly proposed soil sampling locations properly address the EPA comments. However, for analysis of surface water, sediment, and soil samples, Attachments A and B of the revised addendum reference the August 1996 quality assurance project plan (QAPP). Tetra Tech's review of the QAPP indicates that project-required quantitation limits (PRQL) for analysis of these media are not provided. Therefore, the usability of the analytical results for these media may be limited in decision-making regarding follow-up actions that may be needed based on the outcome of the analyses. Therefore, Tetra Tech recommends that PRQLs be provided in Attachment B of the revised addendum or in the QAPP to aid evaluation of the data collected during the field investigation.

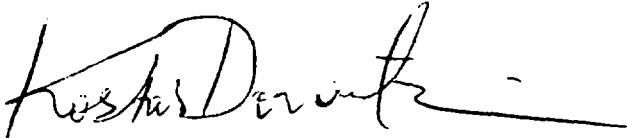
In addition, regarding the August 1996 QAPP, Tetra Tech is enclosing the e-mail message sent to you on October 24, 1997, that discusses the proposed practical quantitation limits (PQL) for analysis of groundwater samples. As indicated in the e-mail message, several of the compounds on the analyte list, including vinyl chloride, which was detected at the site at concentrations exceeding the maximum contaminant level (MCL) have PQLs that exceed the MCLs listed in Table 3-1 of the QAPP. Tetra Tech recommends that an alternative analytical method, such as the method documented in the Contract Laboratory Program "Statement of Work for Organics Analysis of Low-Concentration Water" (OLC02.1, February 1996), be used to analyze groundwater samples during the upcoming quarterly monitoring events.

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If you have any questions regarding these comments, please call me at (312) 856-8757.

Sincerely,

A handwritten signature in black ink, appearing to read "Kostas Dovantzis", with a long horizontal flourish extending to the right.

Kostas Dovantzis, Ph.D., P.E., D.E.E.
Site Manager

KD/car

Enclosure

cc: Thomas Short, EPA Project Officer (letter only)
Marguerite Hendrixson, EPA Contracting Officer (letter only)
Majid Chaudhry, Tetra Tech Program Manager

ENCLOSURE

E-MAIL MESSAGE REGARDING PRACTICAL QUANTITATION LIMITS

(One Sheet)

Mishra, Manoj

From: MISHRAM[SMTP:MISHRAM@prodigy.net]
Sent: Friday, October 24, 1997 2:00 PM
To: Bellot.Michael@epamail.epa.gov
Cc: mishram@ttemi.com
Subject: Blackwell Landfill site

Dear Mike:

Following is the list of contaminants for which practical quantitation limit (PQL) is greater than the respective MCLs.

Contaminant	MCL (micrograms/L)	PQL (micrograms/L)
vinyl chloride	2	10
pentachlorophenol	1	50
chrysene	0.2	10
bis(2-Ethylhexyl)phthalate	6	10
Benzo(a)pyrene	0.2	10
Indeno(1,2,3-cd)pyrene	0.4	10
Dibenz(a,h)anthracene	0.3	10

Above information is extracted from Table 3-1 of PRP's QAPP. A footnote in Table 3-1 states that pentachlorophenol and benzo(a)pyrene were not detected during the RI therefore quantitation limits for these contaminants possible by using method 8270 will be sufficient. However, it is not clear if these contaminants were not detected because the same quantitation limits were used during the RI. I have yet to locate the RI (assuming we have it) to investigate this issue. I will call you on Monday if I cannot find a copy of RI in our files.

Manoj